ABSTRACT OF THE DISCLOSURE

A mechanism is disclosed for virtualizing system statistics in an operating system environment (OSE) that has been partitioned into a global zone and one or more non-global zones. The OSE comprises processes and system resources. Each process is associated with a zone. Each resource may be associated with a statistical data structure. Statistical data about a resource is stored in that resource's statistical data structure. Each statistical data structure is associated with at least one zone and one or more key values. A process may specify key values. The kernel may select a set of statistical data structures that are associated with the process' associated zone. The kernel may return, to the process, a list of statistical data structures in the set, or statistical data contained in one of the set's statistical data structures that matches the process-specified key values.